

# Lakewood Gulch

## Estimated Costs

1. Channel improvements
2. Original Project Budget - \$1.7M
3. ACS oversight costs - \$390K
  - 240 working days, \$1600/day
4. ACS disposal costs
  - Transportation & Disposal - \$126K
  - 1700 CY not reused or recycled
5. 50% delay due to ACS management- \$600K
6. Total costs to manage ACS - \$1.2M **(70% of original budget)**

# Ruby Hill

## Estimated Costs

1. Irrigation line renovation
2. Original Project Budget – \$3.8M
3. ACS Oversight Costs - \$600K
  - 250 working days
  - Estimate \$2400/day in oversight costs
4. ACS Disposal costs
  - Transportation & Disposal - \$300K
  - 3400 CY not reused or recycled
  - Import clean fill (10700 CY) - \$100K
5. 50% delay due to ACS management - \$500K
6. Total costs to manage ACS - \$1.5M **(39% of original budget)**

# Project Costs due to ACS Management

- Delays to general contractor that increase costs
  - Trainings
  - Liners/labor
  - Increase unit costs
  - Material price increases due to delays
  - Design changes to avoid ASC
  - Additional insurances
  - Additional GC condition expenses
  - Remobilizations
  - Wind Fencing

# Disposal Costs

- General Public Fees at DADS
  - \$22/ton for friable ACS
  - \$21/ton for non-friable ACS
  - \$6.50/CY for non-suspect soils (certified by DADS)
- Comparative Costs
  - \$110 per truck debris free vs. \$440 to \$420 per truck ACS
- Disposal Costs are increasing each truck load by an additional \$100 to \$200

# Other Sites

## Costs

### 1. Justice Center Parking Garage

- 800 CY/\$100K to manage ACS
  - Labor/Materials/Trucking/Disposal
- \$125/CY Additional to

### 2. North Park Hill I

- 40000 CY/\$1.6M to manage
- \$40/CY Additional

# Costs to Dispose of Non-suspect Visible Material in Soils

- Ruby Hill Park project
  - 5100 tons not reused onsite or recycled
  - Transported to DADS at a cost of \$112,000
  - 37% of total disposal costs
- Lakewood Gulch project
  - 1500 tons not reused onsite or recycled
  - Transported to DADS as a cost of \$55,000
  - 43% of total disposal costs